

Application No.: 10/030237

Docket No.: HCM-019US

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Apparatus for deriving energy from waves, the apparatus comprising a chamber adapted to float in water but having a water plane area such that its vertical oscillating movement is substantially damped relative to the height of waves in the water in which it is floating, a chamber inlet port at one end of the chamber adapted to file into a wavetrain, a baffle in the chamber, and vertical side plates delivering compressed air to a manifold and thence to an outlet port and ~~a~~the baffle

2. (Original) Apparatus as claimed in claim 1, in which, in use, waves travel through the inlet port and compress air in the wave troughs as each wave advances into the manifold and then his the baffle whereby the compressed air is forced out of the outlet port to provide a source of energy.

3. (Previously Presented) Apparatus as claimed in claim 1, in which the chamber is an elongate chamber.

4. (Previously Presented) Apparatus as claimed in claim 1, in which the chamber is formed from a pair of side walls spaced apart by a top plate.

5. (Original) Apparatus as claimed in claim 4, in which one end of the side walls is joined by an end wall and the other end of the side walls are spaced to provide the inlet port.

Application No.: 10/030237

Docket No.: HCM-019US

6. (Original) Apparatus as claimed in claim 5, in which a bottom plate spans the side walls and the side walls provide at least part of the buoyancy for the chamber.

7. (Previously Presented) Apparatus as claimed in claim 5, in which the baffle is provided adjacent the end wall.

8. (Previously Presented) Apparatus as claimed in claim 1, in which the baffle tapers towards the inlet port.

9. (Previously Presented) Apparatus as claimed in claim 1, in which the chamber includes a pair of tapering side plates adjacent each side wall to compress the air entering in successive wave troughs.

10. (Original) Apparatus as claimed in claim 9, in which the angle of taper of the side plates is adjustable.

11. (Previously Presented) Apparatus as claimed in claim 1, in which an internal ramp is provided between the inlet port and the manifold.

12. (Original) Apparatus as claimed in claim 11, in which the angle of the ramp is adjustable.

13. (Previously Presented) Apparatus as claimed in claim 1, in which the air outlet port leads off the manifold adjacent the baffle

Application No.: 10/030237

Docket No.: HCM-019US

14. (Previously Presented) Apparatus as claimed in claim 1, in which a wave water outlet is provided in the chamber adjacent the baffle.

15. (Previously Presented) Apparatus as claimed in claim 1, in which means are provided to adjust the buoyancy of the chamber to adjust its height in the water to suit different wave conditions.

16. (Cancelled)

17. (New) Apparatus for deriving energy from waves, the apparatus comprising a chamber adapted to float in water but having a water plane area such that its vertical oscillating movement is substantially damped relative to the height of waves in the water in which it is floating, a chamber inlet port at one end of the chamber adapted to face into a wavetrain, a manifold at the end of the chamber remote from the inlet port, an outlet port in the manifold, a baffle in the manifold, and vertical side plates whereby waves advancing horizontally through the chamber are induced to compress air in their troughs and deliver compressed air to the manifold and thence to the manifold outlet port.